

ARCH 660 Design Programming
Spring 2010
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Office hours: Tuesdays 3-4, Thursdays 12-2

I. CATALOG DESCRIPTION

Study of successful programming approaches to meet user needs in design projects; history and definition of programming, programming techniques, documentation and case studies; applications to buildings, landscape projects and urban design. Prerequisite: Graduate classification.

II. INTRODUCTION

Each session of this class is divided in to a lecture and a workshop. There will be 2 projects in this class. The first project is a group project for the Western Blind Rehabilitation Center (WBRC). The second project is an individual project, based on your final study.

III. SCHEDULE

January 19	Orientation and Introduction to programming Writing mission statements and conducting literature reviews Western Blind Rehabilitation Center (team assignments) Workshop: Literature review
January 26	Building Occupancy Evaluation Conference call: WBRC clients John Boerger & Chris Downey Workshop: Post-occupancy evaluations <i>All: Project title and mission statement due</i>
February 2	Interview and Questionnaires Workshop: Interview and Questionnaires <i>Team 1: WBRC draft literature review due</i>
February 9	Self Reports Workshop: Behavioral Mapping <i>Team 2: WBRC draft survey due</i>
February 16	Narrative / Quantitative Program Workshop: Narrative / Quantitative Program <i>Team 3: WBRC draft IRB due</i>

February 23	Code Workshop: Code Analysis <i>All: Project narrative due and quantitative program due</i>
March 2	Cost Analysis Workshop: Cost Analysis <i>All: Code analysis due</i>
March 9	Models and the Empathic Model Workshop: Empathic Model <i>All: Cost analysis due</i>
March 16	Spring break
March 23	Simulations Workshop: Full-scale mockups
March 30	Presentations <i>All: Draft program due</i>
April 6	EDAC Book 1 <i>All: Read EDAC book 1</i>
April 13	EDAC Book 2 <i>All: Read EDAC book 2</i>
April 20	EDAC Book 3 <i>All: Read EDAC book 3</i>
April 27	EDAC practice exam

IV. ASSIGNMENTS

Project 1: Western Blind Rehabilitation Center (WBRC)

We have been contacted by The Design Partnership in San Francisco, CA to conduct pre- and post-occupancy evaluations of the Western Blind Rehabilitation Center in Palo Alto, CA. The Design Partnership, in collaboration with the Smith Group is designing a new 176,000 sf facility for the Veteran's Administration. This semester we will be initiating the evaluation for the existing facility.

One of the consultants on the project is Christopher Downey, a blind architect. See:

<http://www.latimes.com/news/local/la-me-blind-architect12-2010jan12,0,975111.story>
<http://www.sfgate.com/cgi-bin/article.cgi?f=/c/a/2009/05/02/DDMN179UU5.DTL>
http://archrecord.construction.com/news/newsmakers/0907Chris_Downey.asp

Project 2: Final Project Program

You are required to produce the architectural program for your final project for design studio. The program *must be graphically sophisticated* and will have the following sections:

- Cover
- Table of Contents
- Introduction
- Mission Statement
- Site and Climate Analysis
- Narrative Program
- Quantitative Program
- Sustainability Program
- Adjacency Diagrams
- Code Analysis
- Cost Analysis

Slide 1 Title

Slide 2 Mission statement

Slide 3 Location map(s) at city and neighborhood scale

Slide 4 Narrative description of main functions

Slide 5 Space list (departmental only)

Slide 6 Adjacency diagrams

Slide 7 Brief code analysis (building type, construction type, list of occupant load factors for each use; e.g., 15 sf/person in assembly areas, 20 sf/person in education areas)

Slide 8 Construction cost analysis (Line 1 of the worksheet)

Additional slides are welcome.

Project 3: EDAC exam

You will be required to read volumes 1, 2 and 3 of the EDAC exam preparation process.

V. EVALUATION

Project 1: Western Blind Rehabilitation Center	20%
Project 2: Program for final project	50%
Project 3: EDAC exam	20%
Participation/attendance:	10%

Class attendance is mandatory. The maximum grade for a student with more than 2 unexcused absences is a C.

VI. REQUIRED READING

Center for Health Design (CHD) (2009a). *An introduction to evidence-based design for healthcare*. Concord, CA: The Center for Health Design. Vols. 1-3.

VII. COST

Costs associated with the class include: EDAC vols 1-3, and supplies/printing.

VII. POLICIES

The Americans with Disabilities Act.

The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you believe you have a disability requiring an accommodation, please contact the Office of Support Services for Students with Disabilities in Room 126 of the Student Services Building. The phone number is (979) 845-1637.

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Scholastic Dishonesty.

An Aggie does not lie, cheat, or steal, or tolerate those who do.

As commonly definition plagiarism consists of passing off as one’s own the ideas, work, writings, etc., which belong to another. In accordance with this definition, you are committing plagiarism if you copy the work of another person and turn it in as your own, even if you should have the permission of that person. Plagiarism is one of the worst academic sins, for the plagiarist destroys the trust among colleagues without which research cannot be safely communicated. If you have question regarding plagiarism, please consult the latest issue of the Texas A&M University Student rules, under the section “Scholastic Dishonesty.”

The Aggie Honor Code has been re-introduced with a newly formed Honor Council. You are advised to consult the Honor council rules and Procedures on the web <http://www.tamu.edu/aggiehonor>.